INTERNATIONAL SEARCH REPORT

International Application No PCI/IB2004/051175

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L21/60 H01L23/485									
According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED									
Minimum do	cumentation searched (classification system followed by classification	on symbols)							
IPC 7 HOIL									
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched									
Electronic d	ata base consulted during the international search (name of data bas	se and, where practical, search terms used							
EPO-Internal, WPI Data, PAJ									
C. DOCUMENTS CONSIDERED TO BE RELEVANT									
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.						
Y	US 6 232 563 B1 (KIM SEONG JIN E 15 May 2001 (2001-05-15) cited in the application	T AL)	1						
X	column 4, line 24 - line 62; figu	res 5A-5D	2,7						
Y	US 5 087 578 A (ENDO KAZUO ET AL 11 February 1992 (1992-02-11))	1						
X	column 1, line 33 - line 52; figu	3-5							
X	US 2002/048924 A1 (LAY MING-YI E 25 April 2002 (2002-04-25) cited in the application	T AL)	3,6						
A	paragraph '0024!; figures 4A-4F US 5 358 902 A (VERHAAR ROBERTUS AL) 25 October 1994 (1994-10-25) column 5, line 14 - line 28	D J ET	1-7						
Further documents are listed in the continuation of box C. X Patent family members are listed in annex.									
'A' docume consid 'E' earlier of filing d 'L' docume which citation 'O' docume other of the constant of the co	ent delining the general state of the art which is not dered to be of particular retevance document but published on or after the international date and which may throw doubts on priority claim(s) or is cited to establish the publication date of another or other special reason (as specified) and referring to an oral disclosure, use, exhibition or means and published prior to the international filing date but	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken abone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family 							
Date of the	actual completion of the international search	Date of mailing of the international search report							
17 January 2005		25/01/2005							
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2940, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Stirn, J-P							

INTERNATIONAL SEARCH REPORT

nformation on patent family members

International Application No PC1/IB2004/051175

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6232563	B1	15-05-2001	KR KR	171099 225398		01-02-1999 15-10-1999
US 5087578	Α	11-02-1992	JP JP JP	1647634 (3009616 (63081948 /	 C B	13-03-1992 08-02-1991 12-04-1988
US 2002048924	A1	25-04-2002	TW JP US	464927 2002118138 2004048202	Ā	21-11-2001 19-04-2002 11-03-2004
US 5358902	А	25-10-1994	GB DE DE EP JP JP KR	2233494 / 69018884 / 69018884 / 0405660 / 2776960 / 3034539 / 157980 /	D1 T2 A2 B2 A	09-01-1991 01-06-1995 07-12-1995 02-01-1991 16-07-1998 14-02-1991 01-02-1999